

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An integrated lifting system for a boat cradle which automatically compensates for the variable distance between a fixed support and the surface of a body of water having a fluctuating depth over time wherein the cradle is raised and lowered by motors on the fixed support and the boat is carried by the cradle, said system comprising a level sensing module and a motor control module operatively interconnected, said level sensing module comparing the water line of the boat and the surface of the water, said level sensing module ~~adapted to be~~ mounted on the cradle to determine the relative position of the water line of the boat and the surface of the water, said motor control module determining the direction of the cradle movement, said motor control module ~~adapted to be~~ connected to the motors whereby said motor control module energizes the motors to move the cradle and said level sensing module signals said motor control module to stop the motors when the water line and the surface of the water reach a predetermined distance.

2. (Previously presented) An integrated lifting system for a boat cradle of claim 1 further comprising a receiver module operatively interconnected to said motor control module, said receiver module including manual switches for operating said system.

3. (Previously presented) An integrated lifting system for a boat cradle of claim 2 further comprising a transmitter module operatively connected to said receiver module, said transmitter module being portable and including manual switches for operating said system, said receiver module accepting input from said transmitter module manual switches and conveying said input to said motor control module.

4. Canceled

5. (Previously presented) An integrated lifting system for a boat cradle of claim 1 further comprising said level sensing module having at least one float switch, said float switch activated by a certain water depth.

6. (Previously presented) An integrated lifting system for a boat cradle of claim 2 further comprising a storage limit switch operatively connected with said motor control module, said storage limit switch adapted to be attached to the fixed support, one of said manual switches commanding a storage position, said manual switch non-responsive with said storage limit switch closed and the cradle in the storage position, said motor control module signaling the motors to raise the cradle with said storage limit switch open.

7. (Previously presented) An integrated lifting system for a boat cradle of claim 6 further comprising another of said manual switches commanding a launch/retrieve position, said another manual switch non-responsive with the cradle in the launch/retrieve position, otherwise said motor control module signaling the motors to raise or lower the cradle to the launch/retrieve position.

8. (Previously presented) An integrated lifting system for a boat cradle of claim 7 further comprising a third manual switch commanding a load/unload position, said third manual switch non-responsive with the cradle in the load/unload position, said motor control module signaling the motors to raise the cradle with the

cradle below the load/unload position or to lower the cradle with the cradle above the load/unload position.

9. (Previously presented) An integrated lifting system for a boat cradle of claim 3 further comprising another of said manual switches commanding a launch/retrieve position, said another manual switch non-responsive with the cradle in the launch/retrieve position, otherwise said motor control module signaling the motors to move the cradle to the launch/retrieve position.

10. (Previously presented) An integrated lifting system for a boat cradle of claim 3 further comprising a third manual switch commanding a load/unload position, said third manual switch non-responsive with the cradle in the load/unload position, said motor control module signaling the motors to raise the cradle with the cradle below the load/unload position or to lower the cradle with the cradle above the load/unload position.

11. (Currently amended) In an integrated lifting system for a vessel which automatically compensates for the changing distance between a dock and the surface of a body of water having a fluctuating depth over time, said dock having a fixed support, at

least one motor mounted on said fixed support, a cradle movably connected to said at least one motor, said cradle adapted to lift and lower a vessel, the improvement comprising a motor control module including a control circuit mounted on said fixed support and operatively interconnected to said at least one motor, a level sensing module operatively connected to said motor control module, said level sensing module in operative engagement with a float switch which is in mechanical engagement with said cradle to discern the position of said cradle relative to the vessel waterline ~~having a switch~~ said float switch is activated as the water line of the vessel and the surface of the water coincide, said control circuit determining the direction of said cradle movement whereby said motor control module energizes said at least one motor to raise or lower the cradle and said level sensing module signals said motor control module to stop said at least one motor when said float switch is activated.

12. (Currently amended) An integrated lifting system for a vessel of claim 11 further comprising said cradle adapted to be immersed in water below the water line of the vessel, said cradle adapted to capture a floating vessel, said float switch of said level sensing module mounted on said cradle at a position approximately

parallel with the water line of said vessel when said vessel is supported by said cradle.

13. Canceled

14. (Original) A lifting system of claim 11 further comprising at least one safety switch operatively connected to said motor control module, when activated said safety switch energizes said motor control module to not accept signals from the level sensing module and disengage said motor.

15. Canceled

16. Canceled

17. Canceled

18. Canceled

19. (Currently Amended) [[A]] The method of automatically positioning a vessel lift cradle in accordance with [[of]] claim [[16]] 21 further comprising:
a) providing a portable transmitter module, said transmitter module

having command buttons for said storage state , said load/unload state and said launch/retrieve state, said transmitter operatively connected to said receiver module; and

b) operating said transmitter buttons to remotely energize, respectively, said buttons of said receiver.

20. (Currently Amended) [[A]] The method of automatically positioning a vessel lift cradle in accordance with [[of]] claim [[16]] 21 further comprising:

a) providing an independent safety circuit including at least one safety switch operatively connected to said control module;

b) determining said cradle has exceeded said storage state or said launch/retrieve state;

c) energizing said at least one safety switch to signal said control module to disregard signals from said level sensing module and disconnect from said power source to prevent damage to said vessel.

21. (New) A method of automatically positioning a vessel lift cradle at the proper depth in a body of water with changing depths comprising

a) providing a vertically movable cradle for lifting a vessel out of the water and lowering said vessel into the water, said vessel having a waterline;

b) providing a power source connected to said cradle for moving said cradle;

c) providing a control module with a control circuit, said control circuit interconnecting a storage limit switch and said power source, said control circuit also being in communication with said level sensing module, said control module and a receiver module, said control module determining the direction of vertical movement of said cradle, said control module starting and stopping said power source, and said control module having three states, storage, load/unload and launch/retrieve;

wherein selection of said storage state causes said cradle to be positioned at a level above the water determined by activation of said storage limit switch in said control circuit;

wherein selection of said load/unload state causes said cradle to be positioned at a position coincident with said waterline by activation of at least one float switch in operative communication with said level sensing module; and

wherein selection of said launch/retrieve state causes said cradle to be positioned at a level lower than said load/unload state, and determined by activation of at least one float switch in operative communication with said level sensing module;

said receiver module operatively connected with said control circuit, said receiver module having command buttons for said storage state, said load/unload state and said launch/retrieve state; and

d) providing said level sensing module with at least one float switch in said control circuit located on said cradle and positioned to be coincident with said waterline of said vessel when floating in said cradle;

whereby operation of said receiver module causes said control circuit to send a signal to said power source to move said cradle to a particularly chosen state.